## **Amendment to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims**

Claim 1 (currently amended): A converter circuit having comprising:

a switching transistor (MOS1); and

a drive circuit for driving the switching transistor (MOS1) which is designed to switch the switching transistor (MOS1) in response to a voltage or current value, characterized in that wherein the drive circuit comprises two series-connected threshold value components (K1, K2, K1', K2') which respond to a respective input signal as a function of [[the]] a threshold value with an output signal transition, in that an input of a first one of the threshold value components (K1, K1') is connected up such that it can detect the voltage or current value from the output of the switching transistor, and the output of the first threshold value component (K1, K1') drives an input of [[the]] a second threshold value component (K2, K2') drives the control electrode of the switching transistor (MOS1); and

wherein the converter circuit comprises a single-feedback circuit via the threshold value components.

Claim 2 (currently amended): The converter circuit as claimed in of claim 1, in which wherein the drive circuit is designed to respond to a voltage or current value in the converter circuit.

Claim 3 (currently amended): The converter circuit as claimed in of claim 2, in which wherein the drive circuit is designed to respond to a voltage or current value of the switching transistor (MOS1).

Claim 4 (currently amended): The converter circuit as claimed in of claim 3, which contains wherein the converter is a class E converter.

Claim 5 (canceled).

Claim 6 (currently amended): The converter circuit as claimed in of claim 1, in which wherein at least one of the threshold value components (K1, K2, K1', K2') is a differential amplifier, preferably both of the threshold value components (K1, K2, K1, K2') is/are differential amplifiers.

Claim 7 (currently amended): The converter circuit as claimed in of claim 6, in which wherein the differential amplifier(s) (K1, K2, K1', K2') is/are (a) comparator(s).

Claim 8 (currently amended): The converter circuit as claimed in of claim 1, wherein the converter circuit further comprises having a delay circuit (R2, C2, D2) between the output of the first threshold value component (K1, K1') and the input of the second (K2, K2') threshold value component, which said delay circuit (R2, C2, D2) passes passing on output signals[[,]] representing a first switching state of the switching transistor (MOS1), from the output of the first threshold value component (K1, K1') to the input of the second threshold value component (K2, K2') only once a fixed time has elapsed, but while allows allowing output signals representing the other, second switching state to pass with less of a time delay.

Claim 9 (currently amended): The converter circuit as claimed in of claim 8, in which wherein the delay circuit (R2, C2, D2) has comprises a capacitor (C2), and wherein the output of the first threshold value component (K1, K1') is connected to the capacitor at a high impedance (D2, K1') when there is a transition from an output signal representing the second switching state to an output signal representing the first switching state and is connected to the capacitor at a lower impedance (D2, K1') when there is a transition from an output signal representing the first switching state to an output signal representing the second switching state.

Claim 10 (currently amended): The converter circuit as claimed in of claim 9, in which wherein the first threshold value component (K1) has a push-pull output, and the high impedance is

generated by a rectifier diode (D2) which is off between the output of the first threshold value component (K1) and the capacitor (C2).

Claim 11 (currently amended): The converter circuit as claimed in of claim 9, in which wherein the first threshold value component (K1') has an open-collector or open-drain output.

Claim 12 (currently amended): The converter circuit as claimed in of claim 9, in which wherein the second threshold value component (K2, K2') is a comparator, and a reference value of the comparator (K2, K2') can be adjusted in order to be able to adjust vary the fixed time for passing on the output signal representing the first switching state of the switching transistor (MOS1).

Claim 13 (currently amended): The converter circuit as claimed in of claim 1, in which further comprising a driver circuit (TR) is stage provided between the output of the second threshold value component (K2, K2') and the control electrode of the switching transistor (MOS1).

Claim 14 (currently amended): The converter circuit of claim 1, wherein the converter circuit is a circuit within an [[An]] electronic ballast for a light-emitting device (R\_Load), in particular a lamp, having the converter circuit as claimed in claim 1.

Claim 15 (currently amended): The <u>converter circuit of claim 14</u>, wherein the <u>converter circuit</u> <u>within the</u> electronic ballast <del>as claimed in claim 14</del>, which is designed to supply <u>supplies</u> power to a dielectric barrier discharge lamp <del>(R Load)</del>.

Claim 16 (canceled).

Claim 17 (currently amended): A method for operating [[the]] a converter circuit comprising as claimed in claim 1, in which the:

applying a current or voltage value is supplied to the drive circuit and is applied there to [[the]] an input of [[the]] a first threshold value component of said converter circuit (K1, K1'), said first threshold value component having a threshold value;

[[an]] outputting a first signal from the first threshold value component, which responds said first signal corresponding to said a value of the current or voltage value applied to the first threshold value component as a function of the threshold value, from the first threshold value component (K1, K1') is applied;

<u>applying the first signal</u> to [[the]] <u>an</u> input of [[the]] <u>a</u> second threshold value component <u>of said converter circuit</u> (K2, K2'), <u>said second threshold value component having the threshold value and leading to a control electrode driving a switching transistor;</u>

an output outputting a second signal from the second threshold value component to the control electrode driving the switching transistor, which responds to said second signal corresponding to the output first signal from the first threshold value component (K1, K1') as a function of the threshold value, from the second threshold value component (K2, K2') leads to the control electrode driving the switching transistor (MOS1).

Claim 18 (currently amended): [[A]] <u>The</u> method <u>of claim 17, wherein said converter circuit is a circuit within an electronic ballast for operating a light-emitting device (R\_Load) using the electronic ballast as claimed in claim 14.</u>

Claim 19 (currently amended): An illumination system comprising a lamp (R\_Load) and the electronic ballast as claimed in claim 15:

a lamp;

an electronic ballast for the lamp, said electronic ballast including a converter circuit comprising:

a switching transistor; and

a drive circuit for driving the switching transistor which is designed to switch the switching transistor in response to a voltage or current value, wherein the drive circuit comprises two series-connected threshold value components which respond to a respective input signal as a function of the threshold value with an output signal transition, in that an input of a first threshold value component is connected such that it can detect the voltage or current value from the output of the switching transistor, and the output of the first threshold value component drives an input of a second threshold value

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component, and the output of the second threshold value component drives a control electrode of the switching transistor.